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## UNITED STATES E AVIACNMENTAL PAGTECTION AGENCY MASHINGTON D'S 20480

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#### MEM ORANDUM

Dates	October	20,	1980

Subject: EPA File Symbol: 43754-R Bugban Insecticide Lining Paper

Caswell # 570

From: Cheryl Ann Peterson

RRB/TSS

To: Mr. Jay Ellenberger

Product Manager (12)

Applicant: Saxon Industries, Inc.

2401 Morris Avenue Union, NJ 07083

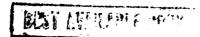
Active Ingredients:

#### Background:

This product is intended for household use as a shelf and lining paper impregnated with insecticide against roaches, flies etc. The company is applying for conditional registration of a new product. The "cite-all" method of support is being used, and primary eye irritation, acute inhalation and acute dermal studies have been submitted in support of the application. Latter of Authorization for use of data is NCT Dresent in the jacket.

### Recommendations:

- 1. The primary eye irritation & acute dermal LD50 are acceptable.
- 2. The acute inhalation LC50 study has been classified Core Supplementary Data because actual chamber concentration measurements taken during the exposure period to determine if chamber concentration of test material was constant during the entire exposure period were not reported.



3. IRB/TSS would have no objection, on the basis of hazard to man or domestic animals, to the conditional registration of the above product under the "cite-all" method of support with the labeling revisions indicated below.

#### Labeling:

- 1. The appropriate signal word is CAUTION, as indicated by the applicant.
- 2. At the next label printing the statement "It is a violation of Federal law to use this product in a manner inconsistent with its labeling." should be moved up so it appears directly under the heading DIRECTIONS FOR USE.

#### Review:

The following studies were conducted by Hallowell Laboratories, 151 E. Tenth Ave., Conshohocken, PA 19428 on material identified as an off-white, chalky liquid Bug Ban II for Saxon Industries. They were received by EPA on 7-29-30, and are in Acc. No. 343614.

1. Primary Eye Irritation-Rabbits. Dated: May 14, 1980.

<u>Procedure</u>: 9 NZ albino rabbits received 0.1 ml test material in one eye. 3/9 received an eye wash (unspecified length) beginning 25 sec. after instillation. Observations were made at 24, 48, 72 hours, 4 & 7 days.

Results: 5/6 unwashed eyes showed minor conjunctivitis with clearing in 4/6 by 72 hrs. 3/3 washed eyes showed no irritation. No corneal opacity.

Study Classification: Core Guideline Data.

Product Classification: Tox. Cat. III.

2. Acute Dermal LD50 - Rabbit. Dated: May 28, 1980.

<u>Procedure:</u> 5M, 5F NZ albino rabbits received 24-hr occluded exposure to 2 g/kg test material. There was a 14-day observation period, with survivor sacrifice and necropsy.

Results: No mortalities. 2M & 1F showed edema which cleared by Day 2, 2F & 1M showed erythema which cleared by Day 2. LD50 is greater than 2g/kg test material. All animals except one F gained weight during the observation period.

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Study Classification: Core Guideline Data.

Product Classification: Tox. Cat. IV.

The following study was conducted by Product Investigations, Inc., 151 E. 10th Ave., Conshohocken, PA 19428 on material identified as Bug Ban II, an off-white, chalky liquid tested as a 50% w/w soln. in distilled water.

3. Acute Inhalation LC50-Rat. dated: July 2, 1980.

Procedure: 10 Srague-Dawley rats (unspecified sex) received exposure for 4 hrs to a nominal concentration of 9.02 ml/l test material. In a 721 exposure chamber, diluted test material was generated as an aerosol using an Air Spray Systems nebulizer. Material was filtered through glass wool to remove excessively large particles. A dynamic air flow system was achieved by a vacuum pump exhausting atmosphere through the top of the chamber. Atmosphere concentration was determined nominally while a dual impinged sample yielded particle size analysis through Anderson Cascade Impactor analysis. There was a 14-day dobservation period, with survivor sacrifice and necropsy.

Results: No mortalities. Particle sizes were as follows:

Chara	N-4	A de Cies Denes	Cum %	Size Range
Stage	Net mg	<pre>% in Size Range</pre>	Less than Size Range	in Micromoteb
0	0.5			9.0-10.0
1	1.3	6.5	94.0	5.8- 9.0
2	1.5	6.0	88.0	4.7- 5.8
3	4.8	7.0	81.0	3.3- 4.7
4	7.5	22.3	58.7	2.1- 3.3
5	4.1	34.9	23.8	1.1- 2.1
6	0.6	19.1	4.7	0.7- 1.1
7	0	2.8	1.9	0.4- 0.7
Backup-	filter			0 - 0.4

Clinical signs included clear nasal discharge during the first hr. which cleared by Day 2. Necropsy revealed no abnormalities. All animals gained weight during the observation period.

<u>Study Classification</u>: Core Supplementary Data (Actual chamber concentration measurements were not taken during the exposure period from the test chamber to determine if chamber concentration of test material was constant during the entire exposure period).

# Propoxur Toxicology Reviews

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